Overload relay, ZB32, Ir= 0.4 - 0.6 A, 1 N/O, 1 N/C, Direct mounting, IP20



Part no. ZB32-0,6 278445

General specifications	
Product name	Eaton Moeller® series ZB Thermal overload relay
Part no.	ZB32-0,6
EAN	4015082784454
Product Length/Depth	96 millimetre
Product height	67 millimetre
Product width	45 millimetre
Product weight	0.142 kilogram
Certifications	IEC/EN 60947-4-1 CSA-C22.2 No. 60947-4-1-14 CSA Class No.: 3211-03 UL 60947-4-1 CE CSA VDE 0660 CSA File No.: 012528 UL UL Category Control No.: NKCR UL File No.: E29184 IEC/EN 60947
Product Tradename	ZB
Product Type	Thermal overload relay
Product Sub Type	None
Catalog Notes	Ambient air temperature: Operating range to IEC/EN 60947, PTB: -5°C to +55°C Ambient operating temperature (according to IEC/EN 60947) PTB: -5°C - +55°C Rated operational current: Switch-on and switch-off conditions based on DC-13, time constant as specified.
Features & Functions	
Features	Reset pushbutton manual/auto Phase-failure sensitivity (according to IEC/EN 60947, VDE 0660 Part 102) Trip-free release Test/off button
General information	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Ambient operating temperature (enclosed) - min	25 °C
Ambient operating temperature (enclosed) - max	40 °C
Class	CLASS 10 A
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Degree of protection	IP20
Frame size	ZB32
Mounting method	Direct attachment Direct mounting
Overload release current setting - min	0.4 A
Overload release current setting - max	0.6 A
Overvoltage category	III
Pollution degree	3
Product category	Accessories Overload relay ZB up to 150 A
Protection	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
Rated impulse withstand voltage (Uimp)	6000 V AC 4000 V (auxiliary and control circuits)
	10 g, Mechanical, Sinusoidal, Shock duration 10 ms
Shock resistance	to g, Mechanical, Sinusolual, Shock duration to his

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auxiliary contacts and main contacts, According to EN 61140 en main circuits, According to EN 61140 en auxiliary contacts, According to EN 61140
ed (UL/CSA) : polarity, AC operated (UL/CSA) : polarity, AC operated (UL/CSA)
max. Fuse, SCCR (UL/CSA)
CR (UL/CSA) 7, Type "1" coordination fuse, Without welding, Auxiliary and control circuits
Type "2" coordination
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10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Thermal overload relay (EC000106)

Tecnología electrónica, de automatización y de mando de procesos / Tecnología de conmutación de baja tensión / Unidad de protección contra sobrecargas / Relé de sobrecarga térmico (ecl@ss10.0.1-27-37-15-01 [AKF075014])

Adjustable current range	А	0.4 - 0.6
Max. rated operation voltage Ue	V	690
Mounting method		Direct attachment
Type of electrical connection of main circuit		Screw connection
Number of auxiliary contacts as normally closed contact		1
Number of auxiliary contacts as normally open contact		1
Number of auxiliary contacts as change-over contact		0
Release class		CLASS 10 A
Reset function input		No
Reset function automatic		Yes
Reset function push-button		Yes